



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gonzalez et al.

Serial No.: 10/804,477

Filed: March 19, 2004

For: VERTICAL DIODE STRUCTURES
(as amended)

Confirmation No.: 7257

Examiner: M. Estrada

Group Art Unit: 2823

Attorney Docket No.: 2269-7075.7US
(94-0308.07/US)

Notice of Allowance Mailed:

November 17, 2005

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: EL995990364US

Date of Deposit with USPS: February 15, 2006

Person making Deposit: Timothy Palfreyman

TRANSMITTAL LETTER

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith Part B - Fee(s) Transmittal for the above-captioned application and a check in the amount of \$1,715.00 in payment therefor plus five (5) copies of the patent when issued.

Also enclosed are Amendment Pursuant to 37 C.F.R. § 1.312(a) with attached Replacement Sheet (1 sheet) and Annotated Sheet Showing Changes (1 sheet); Comments on

Statement of Reasons for Allowance; and Fee Addressee for Receipt of PTO Notices Relating to Maintenance Fees.

Applicants understand that no additional fees are required. However, if the Office determines that any comparison fees or other additional fees are required, the Commissioner is authorized to charge any such fees to TraskBritt Deposit Account No. 20-1469. A copy of this Transmittal Letter is enclosed for deposit account charging purposes.

Respectfully submitted,



Krista Weber Powell
Registration No. 47,867
Attorney for Applicants
TRASKBRITT
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: February 15, 2006

KWP/dlm:lmh

Enclosures: Part B - Issue Fee Transmittal

Check No. 22531 in the amount of \$1,715.00

Copy of Transmittal Letter

Amendment Pursuant to 37 C.F.R. § 1.312(a) (7 pages) with attached Replacement Sheet (1 sheet) and Annotated Sheet Showing Changes (1 sheet)

Comments on Statement of Reasons for Allowance (2 pages)

Fee Addressee for Receipt of PTO Notices Relating to Maintenance Fees (2 pages)



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COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Mail Stop Issue Fee
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner indicates:

[there is no disclosure in the prior art of a polysilicon plug disposed within a diode opening and contacting the first metal silicide layer, the polysilicon plug comprising: a bottom portion in contact with the first refractory metal silicide layer and being lightly doped with the first conductivity type dopant, and a top portion in contact with the bottom portion; and a material that is capable of changing states and resistivities vertically over an in communication with the polysilicon plug.]

Applicants concur with the reasons as stated by the Examiner insofar as they comprise a summary, and are exemplary and not limiting. However, the independent claims as allowed

include other and different language than that specified by the Examiner, and the allowed dependent claims include other and further features and elements. Accordingly, the scope of the claims must be determined from the literal language of each as a whole, as well as equivalents thereof.

Respectfully submitted,



Krista Weber Powell
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P.O. Box 2550
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Date: February 15, 2006

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